

Joint Surveillance Target Attack Radar System, Common Ground Station

DESCRIPTION

The Common Ground Station (CGS) is a mobile, highly deployable system that acquires, processes, displays, and disseminates data from the JSTARS airborne sensor, as well as multiple real-time sensors including Moving Target Indicator (MTI)/Synthetic Aperture Radars (SAR); Unmanned Aerial Vehicles (UAV); Imagery Intelligence (IMINT) platforms; Signal Intelligence (SIGINT); Electronic Intelligence (ELINT); and other sources. The system includes a suite of communications equipment for secure radio, satellite, and landline communications. The system incorporates Secondary Imagery Dissemination (SIDs) and other sensor data to provide tactical commanders with a comprehensive and common view of the battlefield to aid in battle management, intelligence, and targeting operations. The Joint Services Work Station (JSWS) is functionally equivalent to a CGS server and workstation with the same software, hardware, capability, and functionality as CGS when equipped with comparable communications equipment.

OPERATIONAL IMPACT

The CGS and JSWS support a wide range of global missions including wartime battlefield management; low, medium, and high intensity crisis management; peacekeeping operations; war on drugs; and contingency operations.

Operating in diverse climates (geographic and weather conditions), the CGS allows commanders to view the battlespace and make decisions with the highest possible level of certainty. As an allweather, organic Marine Corps intelligence asset, the CGS and JSWS have played a crucial role on the Global War on Terrorism (GWOT) and in support of the OIF operational forces.

PROGRAM STATUS

The JSTARS is a joint program and is post-Milestone C. The Marine Corps currently has fielded three JSTARS CGSs and five JSWSs. Each MEF has a CGS and JSWS, and the remaining two JSWSs are used for test and evaluation and development of future MTI initiatives.

The program is currently conducting two levels of efforts: maintenance and upgrade of the current JSTARS ground stations, and research and development of future MTI collection capabilities.

Procurement Profile:	FY06	FY07
Quantity:	0	0
Developer/Manufacturer:		
Prime Hardware Integrator: General Dynamics Command, Control, Communications, and Computers (GC4S), Scottsdale, AZ		
Software Integrator: Harris Corporation, Melbourne, FL		
Surveillance Control Data Link (SCDL) Developer: Cubic Defense Systems, San Diego, CA		